CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer,
Kodigehalli Sub Division,
BBMP.

13th March 2015

Dear Sir,

Sub: Testing of Reinforcement Steel Bars.

As requested, tests on physical properties were carried out for the Reinforcement Steel Bars supplied by you, for the work of **'Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.'**

AE-7

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.
Name of the Agency	Sri. A. Manjunath, Contractor.
Date of Test	13/03/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	16.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	421	415	Satisfactory
6	U T S (N/Sq.mm)	526	485	Satisfactory

AE-7

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

CIVIL TECH LABS BANGALORE

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.
Name of the Agency	Sri. A. Manjunath, Contractor.
Date of Testing	13/03/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	16.8	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

A8-7

Note:

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Lab Incharge
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T-2654

To,

Assistant Executive Engineer,
Kodigehalli Sub Division,
BBMP.

13th April 2015

Dear Sir,

Sub: Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division. Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

AE-7

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.J
Quality Manager

CIVIL TECH LABS

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.
Name of Agency	Sri. A. Manjunath, Contractor.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-1 (Drain)	16/03/2015	13/04/2015	28	8.15	480	**21.33**	**21.85**
2					8.17	495	**22.00**	
3					8.20	500	**22.22**	

Note:

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.
Name of Agency	Sri. A. Manjunath, Contractor.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-2 (Drain)	16/03/2015	13/04/2015	28	8.16	475	**21.11**	**21.56**
2					8.18	485	**21.56**	
3					8.21	495	**22.00**	

AE-7

Note:

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.
Name of Agency	Sri. A. Manjunath, Contractor.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-3 (Drain)	16/03/2015	13/04/2015	28	8.16	485	**21.56**	**21.93**
2					8.17	490	**21.78**	
3					8.19	505	**22.44**	

AE-1

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Improvements to roads and drains in Amruthahalli Easterside surrounding roads in ward no. 07, (Byatarayanapura) in Kodigehalli Sub Division.
Name of Agency	Sri. A. Manjunath, Contractor.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-4 (Drain)	16/03/2015	13/04/2015	28	8.15	490	**21.78**	**22.15**
2					8.18	500	**22.22**	
3					8.20	505	**22.44**	

Note:
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Lab Incharge
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